PATENT ABSTRACTS OF JAPAN

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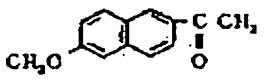
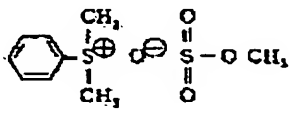
(54) PRODUCTION OF 2-(6-METHOXY-2-NAPHTHYL)-1,2-EPOXYPROPANE

(57)Abstract:
PURPOSE: To obtain the titled substance inexpensively, in high purity and in high yield, by reacting a 6-methoxy-2-acetylnaphthalene with a phenyldimethylsulfonium methyl sulfate in the presence of an alkyl hydroxide.

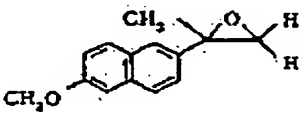


I

CONSTITUTION: A compound shown by the formula I is reacted with a phenyldimethylsulfonium methyl sulfate shown by the formula II in the presence of an alkali hydroxide(preferably powdery NaOH, etc.,) at 15W55°C, to give a compound shown by the formula III. The reaction is carried out in a solvent immiscible with water(e.g., halogenated hydrocarbon or hydrocarbon), a reaction mixture is washed with water, fractionated and the solvent, thioanisole and the aimed substance are recovered. The compound shown by the formula II is obtained by reacting thioanisole with a sulfuric diester at 80W110°C and can be used for the reaction without isolating it.



II



III

USE: An intermediate for synthesizing 2-(6-methoxy-2-naphthyl)propionic acid having improved anti-inflammatory action, analgesic action and antipyretic action.

LEGAL STATUS

[Date of request for examination]

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